

Applic. No. 10/812,554  
Art Unit: 2874

### REMARKS

#### *Disposition of Claims*

Upon entry of the foregoing amendments, claims 1 and 3-10 will remain pending in the application and stand ready for further action on the merits. Independent claim 1 has been amended herein to recite that the array of optoelectronic devices is hermetically sealed. Claim 2 has been canceled herein and its limitations have been incorporated into claim 1. Claims 3-10 are dependent upon amended claim 1. The amendment to claim 1 is fully supported by the Specification particularly at Paragraphs 26 and 28, and by originally filed claim 2. No new matter has been added to the application.

#### *Objection to the Specification*

The Office Action first objects to the Specification, because the cross-reference to U.S. Patent Application Serial No. 10/152,701 does not include the granted U.S. Patent 6,757,308. This section of the Specification has been amended, as set forth above, so that it includes a reference to U.S. Patent 6,757,308. Accordingly, it is respectfully requested that this objection be withdrawn.

#### *Rejection Of Claims 1-4 Under 35 U.S.C. §102*

The Office Action rejects claims 1-4 under 35 U.S.C. §102(b) as being anticipated by Sauter et al., U.S. Patent 5,945,775 ("Sauter '448"). As discussed above, independent claim 1 has been amended to recite that the array of optoelectronic devices is hermetically sealed by the lens array. Applicants submit that Sauter '448 does not anticipate the present invention, as recited in amended claims 1-4, for the reasons discussed below.

Applicants agree with the Examiner that Sauter '448 is directed to packaging for vertical cavity, surface-emitting lasers (VCSELS) and corresponding photodiode detectors. Referring to FIG. 1 in Sauter '448, the package (10) for the VCSEL laser array (30) is enclosed in housing (12). The MT optical connector (18) has an enlarged front block (20) with a pair of blind holes (22, 24) into which the guide pins (26, 28) are inserted there through. The alignment of the lasers with the input ports of the MT

Applic. No. 10/312,554  
Art Unit: 2874

connector occurs by means of the guide pins (26, 28) which extend through the backing plate (36) and alignment holes (38, 40). An electronic drive controller (42), which provides the signals to the VCSEL array, is mounted on a printed circuit board (PCB). Lasers on the VCSEL chip are also connected to the printed circuit wiring by wire bonding pads. (Sec col. 3, lines 9-15.) As the Examiner points out, a fiber optic feed-through assembly (56), which is made of Kovar, may be used.

In the illustrated example of FIG. 4, the housing is assumed to be aluminum in order to accommodate for the differential expansion and contraction of aluminum and Kovar in a hermetically sealed package. It is necessary to join the aluminum and the Kovar in an appropriate manner. One way of doing this would be to provide aluminum Kovar bimetallic shims 82,84 wherein the shaded portion of the shim represents aluminum, and the white portion represents Kovar. The shim is made by explosively bonding the two metals together. The package may then be sealed by laser welding components together at the welds 86,92. (column 3, lines 65-67 - column 4, lines 1-8).

However, there is no disclosure or suggestion in Sauter '448 for hermetically sealing the VCSEL array with a lens array. In FIG. 4, the aluminum housing (12) and fiber optic feed-through assembly (56) are hermetically sealed together, and the package may be sealed by laser-welding. But, the packaging shown in FIG. 4 does not contain a lens array for hermetically sealing the array of optoelectronic devices as presently claimed. In summary, it is submitted that Sauter '448 does not disclose each and every element of amended claims 1-4 as required by an anticipatory reference. Accordingly, it is respectfully requested that the rejection of claims 1-4 (as amended) under 35 U.S.C. §102(b) in view of Sauter '448 be withdrawn.

The Office Action next rejects claims 1 and 3 under 35 U.S.C. §102(e) as being anticipated by Giboney et al., U.S. Patent Application Publication US 2003/0091302 ("Giboney '302"). Applicants submit that Sauter '448 does not anticipate the present invention, as recited in amended claims 1 and 3, for the reasons discussed below.

Giboney '302 is directed to enclosures for optical communication devices. In FIGS. 2A and 2B of Giboney, an optical module (210) is shown. The optical module

Applic. No. 10/812,554  
Art Unit: 2874

(210) includes a base portion (212) and a lid portion or lens (214) which forms the enclosure. The lid portion (214) is made from glass, quartz, or other transparent material. The base (212) has optical electrical (217) and electrical (219) components (e.g. an integrated circuit) mounted thereon. Thus, the Examiner asserts that the optoelectronic devices (217) are mounted to an integrated circuit metallic plate (219), and a lens frame containing a lens array (214) is aligned with the optoelectronic devices and fixed to the metallic plate (212). However, as the Examiner notes, Giboney '302 does not explicitly teach hermetically sealing the array of optoelectronic devices. Claim 1 of the subject application has been amended to recite that the array of optoelectronic devices is hermetically sealed by the lens array. In view of this amendment, it is respectfully requested that the rejection of claims 1 and 3 under 35 U.S.C. §102(e) in view of Giboney '302 be withdrawn.

The Office Action further rejects claims 2 and 4 under 35 U.S.C. §103(a) as being unpatentable over Sauter '448 and Giboney '302. Claim 2 has been canceled and its limitations have been incorporated into amended claim 1. The Sauter '448 and Giboney '302 references are discussed in detail above. Claim 4 is dependent upon amended claim 1, and it is believed that claim 1 is in condition for allowance for the reasons discussed above. Thus, claim 4 also should be allowed.

#### ***Allowable Subject Matter***

Applicants acknowledge that claims 5-10 contain allowable subject matter.

#### ***Conclusion***

In summary, Applicants submit that claims 1 and 3-10 (as amended) are patentable and each of the Examiner's rejections and objections has been overcome. Accordingly, Applicants respectfully request favorable consideration and allowance of amended claims 1 and 3-10.

Applic. No. 10/812,554  
Art Unit: 2874

The Commissioner is hereby authorized to charge any additional fee required in connection with the filing of this paper or credit any overpayment to Deposit Account 02-0900.

Should there be any outstanding matter that needs to be resolved in the present application, the Examiner is invited to contact the undersigned at the telephone number provided below.

Respectfully submitted,

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